

NOTES | July 8, 2009
Technical Advisory Committee
Sonoma Valley Groundwater Management Program

Action Items (from this meeting and ongoing)

Name	Task	Status	Timeframe
TAC members	Conduct focused outreach for new volunteers, especially in the Glen Ellen and Kenwood areas. Continue to spread message about purpose of well monitoring and use of collected data. Need to educate landowners regarding importance of process and protection of their information and data.	Underway	Ongoing
Tim / Marcus	Create follow-up letter to be sent to willing participants to notify them whether their well is suitable for inclusion and provide feedback to TAC volunteers	Underway	Ongoing
Tim / Marcus	Create list of potential candidate volunteer wells	Underway	September
Marcus	Research DWR/PRMD records for well logs for volunteer wells with no existing records	Underway	Ongoing
DWR (Mark) / Tim	Discuss whether or not any of the already identified volunteer wells may be added to the DWR monitoring effort.	Underway	Done – Review again w/DWR
SCWA	Request PRMD to give presentation to TAC and community on well construction requirements	Pending – need to determine which TAC meeting is best	October or November
Tim	Set up meeting of grant funding group	Underway	September
TAC	Comments on draft WELLness guide	Underway	Completed – Setting up Meeting with PRMD and EHD to discuss
TAC	Data gaps to fill on monitoring	Underway	September
TAC	Develop list of possible rainfall harvest projects	Underway	Ongoing
TAC	Further consider possible community site for pilot	Underway	Ongoing
TAC	Identify actions and strategy for rainfall harvesting/recharge demonstration/pilots	Started	Ongoing

Meeting Participants

- James Cannard, private well owner
- Rochelle Campana, private well owner
- Susan Haydon, Southern Sonoma County RCD
- Robert Garant, engineer
- Milenka Bates, City of Sonoma
- David Goodison, City of Sonoma
- Tito Sasaki, North Bay Agricultural Alliance
- John Guardino, Southern Sonoma County RCD
- Krishna Kumar, VOMWD
- Melinda Kelly
- Ed Nelson
- John Robb, Mission Highlands
- Jay Jasperse, SCWA
- Clarence Jenkins, Madrone Vineyard Management
- Norm Goldstein, SVVGA

Staff

- Marcus Trotta, Sonoma County Water Agency
- Tim Parker, Parker Groundwater

Water Conservation Audit Program

- \$25,000 NBWA grant/\$25,000 SCWA match
- Dr. Mark Greenspan is involved with the irrigation assessments
- Capacity is 25 residential and five agricultural/winery sites
 - Approximately 6 remain for residential sites after picking up 11 at Sonoma Ranch
 - 4 vineyards have signed on
- Clarence and Norm expressed concern about some of the language in the water conservation audit informational documents
 - SCWA agreed to discuss with Clarence and Norm in more detail and address concerns at a later date

Potential Grant Opportunities

- SCWA is looking at submitting a proposal for funding for groundwater recharge projects in the county
- IRWMP funding will be available through DWR once bond sales recover in next several months
- Looking at about \$600K for Sonoma County, but will get rolled up into hierarchy - conceptual planning is occurring right now
- There may also be separate opportunities for TMDL implementation grants through US EPA for sediment reduction
- James asked if sediment production mapping is part of IRWMP

Tim Parker gave an overview on SWRCB and Water-Energy Climate Team**Workshop re: Measure W-4 Urban Water Reuse**

On June 17, 2009, the Water Board hosted a workshop on implementation of AB 32 Scoping Plan Measure W-4: Reuse Urban Water. This informational workshop examined strategies for the management of urban water including Low Impact Development, infiltration, capture, and storage and included a series of presentations over the day. Additional workshops are planned over the next six months to assist the Board in

determining what actions if any should be taken if any regarding development of policy, regulations or guidelines to assist with implementation of W-4. The first presentation: *Analysis Presented by Bob Wilkinson (UCSB) and by Noah Garrison (NRDC)* provided results of an analysis conducted by Bob Wilkinson (UCSB) and by Noah Garrison (NRDC) and indicate that low impact development (LID) could result in potential savings in urbanized southern California and the San Francisco Bay area by 2020 (and increasing thereafter):

- 120,000 to 220,000 acre-feet annually ---- water for approximately 1,000,000 people
- 325,000 to 660,000 megawatt-hours per year ---- electricity for more than 56,000 family homes per year
- 142,000 to 288,000 metric tons of CO2 equivalent/year ---- more than 52,000 cars off the road annually

Many of the measures discussed at the workshop could be applied in a variety of ways in urban and rural settings in the Sonoma Valley. Presentations and a workshop summary are posted at www.pg-tim.com

Jay Jasperse Gave Update on SCWA LID Guidance Development

- SCWA is preparing a guidance document for Low Impact Development (LID)
- This will be applied primarily to new developments, but may be used for retrofits as well
- LID has stormwater management elements and groundwater recharge aspects

Following items will be discussed at the July 23rd BAP Meeting

- Groundwater Recharge efforts and tour overview
- Presentation on data collection efforts associated with the groundwater monitoring program
- Water conservation audits update
- Introduction of proposed recognition program for water conservation efforts
- Possible future grant opportunities

Atwood Ranch Tour led by Tish Ward, Reserve Manager

- Atwood Ranch was acquired by current owners in 1984
- Tish has been the Reserve Manager since 1986 of the 70 acre ranch
- The aquifer is said to be the same as that at the Sonoma Mission Inn
- 87 degree F artesian well

The tour included a visit to

- Calabasas Creek, which has been restored by Atwood Ranch and said to contain genetically native trout above the bridge
- Rooftop rainfall capture, piped to two parallel perforated ABS pipes about 4 feet in diameter and buried 4 feet into the ground, partially filled with pea gravel – the pipes have never overflowed and recharge may decrease peak stormflows and enhance baseflow to Calabasas Creek
- Rock armored vegetated drainage channels throughout the property are used to route runoff, rather than hardscape culverts or pipes. The channels are designed with slight depressions or “speed bumps”. These serve a multiple benefits, including allowing a portion of runoff to infiltrate on-site and capture and retain any sediment on-site (it

was noted that sediment accumulation and associated maintenance needs of the channels are minimal).

- A pond on the property was also visited, which is used for frost protection and irrigation.

Next TAC September 9th – Focused discussion on fall groundwater monitoring, AB303 grant implementation, and September BAP planning

Location: Valley of the Moon Water District, 19039 Bay Street, El Verano